

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,077,808 B2  
APPLICATION NO. : 10/631872  
DATED : ~~May 14, 2008~~ July 16, 2006  
INVENTOR(S) : Lucien Alfred Couvillon, Jr.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Correction is requested for the following Applicant errors:**

Specification, Col. 1, line 3, after "THE" change "INVENTION" to -- INVENTION --.

Specification, Col. 1, line 23, before "advances", delete "In Spite of" and insert -- Despite --.

Specification, Col. 3, line 66, after "until" change "is" to -- it --.

Specification, Col. 4, line 59, after "with" delete -- within --.

Specification, Col. 4, line 65, before "an" change "within" to -- with --.

Specification, Col. 8, line 12, before "layers" change "actively" to -- active --.

Specification, Col. 10, line 48, after "anti-restenosis" change "drug" to -- drugs --.

**Correction is requested for the following Patent Office errors:**

Specification, Col. 3, line 67, after "axis", change "alpha" symbol to italic letter -- *a* -- .

Specification, Col. 4, line 2, after "axis", change "alpha" symbol to italic letter -- *a* -- .

Specification, Col. 4, line 4, after "axis", change "alpha" symbol to italic letter -- *a* -- .

Specification, Col. 4, line 5, after "axis", change "alpha" symbol to italic letter -- *a* -- .

Specification, Col. 4, line 8, after "axis", change "alpha" symbol to italic letter -- *a* -- .

Specification, Col. 4, line 11, after "axis", change "alpha" symbol to italic letter -- *a* -- .

Specification, Col. 4, line 16, after "axis", change "alpha" symbol to italic letter -- *a* -- .

Specification, Col. 4, line 45, after "lumen", change "1" to italic number -- *1* -- .

Specification, Col. 4, line 46, after "disc", change "d" to italic letter -- *d* -- .

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,077,808 B2  
APPLICATION NO. : 10/631872  
DATED : ~~November 2006~~ July 18, 2006  
INVENTOR(S) : Lucien Alfred Couvillon, Jr.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Correction is requested for the following Patent Office errors (cont'd):**

Specification, Col. 5, line 29, after "axis", change "a" to italic letter -- *a* --.

Specification, Col. 7, line 10, after "occurs", change "in vivo" to -- *in vivo* --.

Claim 1, Col. 11, line 2, after "said", change "wail" insert -- wall --.

Claim 16, Col. 12, line 33, before "comprising", change "farther" to -- further --.

Add Claims 18-21 as follows:

18. A method of scanning the inner wall of a body lumen comprising:

providing the catheter apparatus of claim 9, sweeping said ultrasonic energy in a predetermined pattern over the interior wall of the body lumen, wherein said sweeping is accomplished by rotating said reflective member and operating said electroactive polymer actuator to change the angle of incidence of said ultrasonic energy relative to said reflective member; receiving ultrasonic energy reflected from the interior wall of the body lumen; and producing an image from the reflected ultrasonic energy.

19. The method of claim 19, wherein the ultrasonic energy is directed at a forward angle of from about 10° to about 85° relative to the axis of the body lumen, whereby a forward conical sweep is performed.

20. The method of claim 19, further comprising axially advancing the reflective member within the body lumen.

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**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,077,808 B2  
APPLICATION NO. : 10/631872  
DATED : ~~January 18, 2006~~ July 18, 2006  
INVENTOR(S) : Lucien Alfred Couvillon, Jr.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Add Claims 18-21 as follows (cont'd):

21. The method of claim 19, wherein the reflective member is rotated under electronic control.

This certificate supersedes certificate of correction  
issued October 2, 2007.

Signed and Sealed

Second Day of October 2007

UNITED STATES PATENT AND TRADEMARK OFFICE